

"Express Mail" mailing label number EL 856 150 878 US. I hereby certify that this document and referenced attachments are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR § 1.10, addressed to: Commissioner for Patents, Box Patent Application, Washington, D.C. 20231 on 8-2-01

By: Nancy Ramos

Printed: Nancy Ramos

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Bandman, et al.

Title: SH3-CONTAINING PROTEINS

Serial No.: To Be Assigned

Filing Date: Herewith

Examiner: To Be Assigned

Group Art Unit: To Be Assigned

Official Draftsman

Commissioner for Patents

Washington, D.C. 20231

SUBMISSION OF FORMAL DRAWINGS

Sir:

Transmitted herewith are Figure(s) 1A, 1B, 1C, 1D, 2A, 2B, 3A, 3B, as 8 (eight) sheets of formal drawings for this application. Each sheet of drawing indicates the identifying indicia suggested in 37 CFR Section 1.84(c) on the reverse side of the drawings.

Applicants believe that no fee is due with this paper. However, if the Commissioner determines that a fee is necessary, the Commissioner is hereby authorized to charge any additional fees associated with this communication or credit any overpayment to Deposit Account No. **09-0108**. **A duplicate copy of this communication is enclosed.**

If there are any questions regarding the above, the Examiner is invited to call the undersigned at 650-855-0555.

Respectfully submitted,

INCYTE GENOMICS, INC.

Date: August 8, 2001

Susan K. Sather

Susan K. Sather

Reg. No. 44,316

Direct Dial Telephone: (650) 845-4646

3160 Porter Drive
Palo Alto, California 94304
Phone: (650) 855-0555
Fax: (650) 845-4166

FIGURE 1A

387	396	405	414	423	432
AAG AAT CCT CAG ATG GGA GAC CCA GCC AGT TTG GAT CAC AAA TTA GCA GAA GTC					
K N P Q M G D P A S L D H K L A E V					
441	450	459	468	477	486
AGC CAA AAT ATA GAG AAA CTG CGA GTA GAG ACC CAG AAA TTT GAG GCC TGG CTG					
S Q N I E K L L R V E T Q K F E A W L					
495	504	513	522	531	540
GCT GAG GTT GAA GGC CGG CTC CCA GCA CGC AAC GAG CAG GCG CGC CAG CAG AGC					
A E V E G R L L P A R N E Q A R R Q S					
549	558	567	576	585	594
GGA CTG TAC GAC AGC CAG AAC CCA CCC ACA GTC AAC AAC TGC GCC CAG GAC CGT					
G L Y D S Q N P P T V N N C A Q D R					
603	612	621	630	639	648
GAG AGC CCA GAT GGC AGT TAC ACA GAG GAG CAG AGT CAG GAG AGT GAG ATG AAG					
E S P D G S Y T E E Q S Q E S E M K					
657	666	675	684	693	702
GTG CTG GCC ACG GAT TTT GAC GAC GAG TTT GAT GAT GAG GAG CCC CTC CCT GCC					
V L A T D F D D E F D D E E P L P A					
711	720	729	738	747	756
ATA GGG ACG TGC AAA GCT CTC TAC ACA TTT GAA GGT CAG AAT GAA GGA ACG ATT					
I G T C K A L Y T F E G Q N E G T I					

FIGURE 1B

765	774	783	792	801	810
TCC GFA GTT GAA GGA GAA ACA TTG TAT GTC ATA GAG GAA GAC AAA GGC GAT GGC					
S V V E G E T L Y V I E E D K G D G					
819	828	837	846	855	864
TGG ACC CGC ATT CGG AGA AAT GAA GAT GAA GAG GGT TAT GTC CCC ACT TCA TAT					
W T R I R R N E D E E G Y V P T S Y					
873	882	891	900	909	918
GTC GAA GTC TGT TTG GAC AAA AAT GCC AAA GGT GCT AAG ACT TAT ATT TAA TAC					
V E V C L D K N A K G A K T Y I					
927	936	945	954	963	972
CAT AAA AAA AAA CTT AAA AAA AAT GGA GTT GTT TCT CCC CAC AAC CGT GAC					
981	990	999	1008	1017	1026
TGT TAC AGG CAG TTC CTC AAG AGA CTG GCT GGT GGC AAG CAC CAT AAT GCA CGT TCT					
1035	1044	1053	1062	1071	1080
CCT GTA GTC TCA CGT GGA CTT CAG GGT CCG GGC ACC TGA ATT GCC TTG TCT AGT					
1089	1098	1107	1116	1125	1134
TTG GGC TGT AAT CAA GTT TCA CTT GCT GAT GAA ATT TTA TGT GGA AAG CTG CCA					

FIGURE 1C

1143	1152	1161	1170	1179	1188
ACC GCC AAC TTA CAG CTA TGT CAT TCA AAA TCT GAT AAA CAT TTC TTC TTT TGG					
1197	1206	1215	1224	1233	1242
CGG TAT CTG TAG ATT AAA AAA AAA GTT GCA TTG TAG CTT CTC ATC TTT CTG AAT					
1251	1260	1269	1278	1287	1296
TTA AAA GCC GGC ACG CAT CAT GCA GGT GCC AAA GAC TTC CCT ACT CTT GTT TAT					
1305	1314	1323	1332	1341	1350
ATC TAG TAT CCA CCA TAC ACT GAG CTA CAT TAG GTG GTT ACA GAT TGT AAC TTA					
1359	1368	1377	1386	1395	1404
ATA AAC TGA ACT GTG TTA GTT TGT TAA ATT GGA TAC TCA TTC ACT TGG GGA GGA					
1413	1422	1431	1440	1449	1458
GTC ACA AGT GAA ATA CCA TCT CTT TCT TGA CTA AAG CGG TAA ATA AGG TTC TTA					

TTG 3'

FIGURE 1D

5' NNA	9	18	27	36	45	54
TGA ACC GTG CAC CCT NCG ACA GCA GTC TGG GCA CCC CCT ACG GAT GGA CGG						
	63	72	81	90	99	108
NCT GAA CTC CGA GGN CCG GGT CGC AGC CGC ACC AAG CGC TGG NCT TTT GGC AAG						
	117	126	135	144	153	162
AAG AAC AAG ACA GTG GTG ACC GAG GAT TTT AGC CAC TTG CCC CCA GAG CAG CAG						
	171	180	189	198	207	216
CGA AAA CGG CTT CAA CAG CAG TTG GAA GAA CGC AGT CGT GAA CTT CAG AAG GAG						
	225	234	243	252	261	270
GTT GAC CAG AGG GAA GCC CTA AAG AAA ATG AAG GAT GTC TAT GAG AAG ACA CCT						
Q M G D P A S L E P Q I A E T L S N						
	279	288	297	306	315	324
CAG ATG GGG GAC CCC GCC AGC TTG GAG CCC CAG ATC GCT GAA ACC CTG AGC AAC						
I E R L K L E V Q K Y E A W L A E A						
	333	342	351	360	369	378
ATT GAA CGG CTG AAA TTG GAA GTG CAG AAG TAT GAG GCG TGG CTG GCA GAA GCT						
E S R V L S N R G D S L S R H A R P						
	387	396	405	414	423	432
GAA AGT CGA GTC CTT AGC AAC CGG GGA GAC AGC CTG AGC CGG CAC GCC CGG CCT						
E S R V L S N R G D S L S R H A R P						

FIGURE2A

441	450	459	468	477	486
CCC GAN CCC CCC GCT AGC GCC CCG CCA GAC AGC AGC AAC AGC GCA TCA CAG					
P X P P A S A P P A P D S S S N S A S Q					
495	504	513	522	531	540
GAC ACC AAG GAG AGC TCT GAA GAG CCT CCC TCA GAA GAG AGC CAG GAC ACC CCC					
D T K E S S E E E P P P S S E E S Q D T P					
549	558	567	576	585	594
ATT TAC ACG GAG TTT GAT GAG GAT TTC GAG GAG GAA CCC ACA TCC CCC ATA GGT					
I Y T E F D E D F E E E P T S S P I G					
603	612	621	630	639	648
CAC TGT GTG GCC ATC TAC CAC TTT GAA GGG TCC AGC GAG GGC ACT ATC TCT ATG					
H C V A I Y H F E G S S S E G T I S M					
657	666	675	684	693	702
GCC GAG GGT GAA GAC CTC AGT CTT ATG GAA GAC AAA GGG GAC GGC TGG ACC					
A E G E D L S L M E D K G D G W T					
711	720	729	738	747	756
CGG GTC AGG CCG AAA GAG GGA GGC GAG GGC TAC GTG CCC ACC TCC TAC CTC CGA					
R V R R K E G G G E G Y V P T S Y L R					
765	774				
GTC ACG CTC AAT TGA ACC C 3'					
V T L N					

FIGURE 2B

1	M	K	R	T	V	S	D	N	S	L	S	N	S	R	G	E	G	K	P	D	L	K	F	G	G	K	S	K	G	K	L	W	P	F	I	K	K	N	K	G	865744
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1816529	
1	K	I	H	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	G	g1255033
41	A	T	P	E	D	F	S	N	L	P	P	E	Q	R	R	K	K	L	Q	Q	K	V	D	E	L	N	K	E	I	Q	K	E	M	D	Q	R	D	A	I	T	865744
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1816529
13	V	T	P	E	D	F	S	N	F	P	P	E	Q	R	R	K	K	L	Q	Q	K	V	D	L	N	R	E	I	Q	K	E	T	D	Q	R	D	A	I	T	g1255033	
81	K	M	K	D	V	Y	L	K	N	P	Q	M	G	D	P	A	S	L	D	H	K	L	A	E	V	S	Q	N	I	E	K	L	R	V	E	T	Q	K	F	E	865744
1	-	M	K	D	V	Y	E	K	T	P	Q	M	G	D	P	A	S	L	E	P	Q	I	A	E	T	L	S	N	I	E	R	L	K	L	E	V	Q	K	Y	E	1816529
53	K	M	K	D	V	Y	L	K	N	P	Q	M	G	D	P	A	S	L	D	Q	K	L	T	E	V	T	Q	N	I	E	K	L	R	L	E	A	Q	K	F	E	g1255033
121	A	W	L	A	E	V	E	G	R	-	L	P	A	R	N	E	Q	-	A	R	R	Q	S	G	L	Y	D	S	Q	N	P	P	T	V	N	N	C	A	Q	D	865744
40	A	W	L	A	E	A	E	S	R	V	L	S	N	R	G	D	S	L	S	R	H	A	R	P	P	X	P	P	A	S	A	P	P	D	S	S	S	N	S	A	1816529
93	A	W	L	A	E	V	E	G	R	-	L	P	A	R	S	E	Q	-	A	R	R	Q	S	G	L	Y	D	G	Q	T	H	Q	T	V	T	N	C	A	Q	D	g1255033

FIGURE 3A

159	R	E	S	P	D	G	S	Y	T	E	E	Q	S	Q	E	S	E	M	K	V	L	A	T	D	F	D	D	E	F	D	D	E	E	P	L	P	A	I	G	T	865744
80	S	Q	D	T	K	E	S	S	E	P	P	S	E	S	Q	D	T	P	I	Y	T	E	F	D	E	D	F	E	-	E	E	P	T	S	P	I	G	H	1816529		
131	R	E	S	P	D	G	S	Y	T	E	E	Q	S	Q	E	S	E	H	K	V	L	A	P	D	F	D	D	E	F	D	D	E	E	P	L	P	A	I	G	T	g1255033
199	C	K	A	L	Y	T	F	E	G	Q	N	E	G	T	I	S	V	V	E	G	E	T	L	Y	V	I	E	E	D	K	G	D	G	W	T	R	I	R	R	N	865744
119	C	V	A	I	Y	H	F	E	G	S	S	E	G	T	I	S	M	A	E	G	E	D	L	S	L	M	E	E	D	K	G	D	G	W	T	R	V	R	R	K	1816529
171	C	K	A	L	Y	T	F	E	G	Q	N	E	G	T	I	S	V	V	E	G	E	T	L	S	V	I	E	E	D	K	G	D	G	W	T	R	I	R	R	N	g1255033
239	E	D	E	E	G	Y	V	P	T	S	Y	V	E	V	C	L	D	K	N	A	K	G	A	K	T	Y	I														865744
159	E	G	G	E	G	Y	V	P	T	S	Y	L	R	V	T	L	N																							1816529	
211	E	D	E	E	G	Y	F	P	T	S	Y	V	E	V	Y	L	D	K	N	A	K	G	A	K	T	Y	I														g1255033

FIGURE 3B